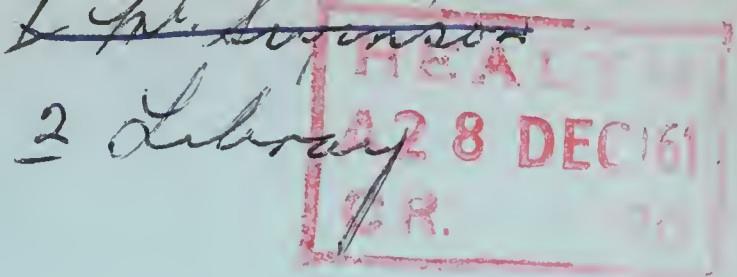


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**MALDON**  
**RURAL DISTRICT COUNCIL**

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*Annual Report*  
OF THE  
**MEDICAL OFFICER OF HEALTH**

FOR

1960





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MALDON  
RURAL DISTRICT COUNCIL

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*Annual Report*

OF THE  
**MEDICAL OFFICER OF HEALTH**

FOR

1960

---

*W. H. Houldershaw, Ltd.,  
— Southend-on-Sea —*

**PUBLIC HEALTH COMMITTEE, 1960**

*Chairman of the Council*: Councillor Mr. A. M. Walker, J.P.

*Vice Chairman of the Council*: Councillor Mr. W. Binder.

*Chairman*: Councillor Mr. G. H. Barber.

*Vice Chairman*: Councillor Mr. A. F. Ratcliff.

*Members*: Councillors Mrs. W. N. Nix.

Mr. H. G. Butt.

Mr. J. Butt.

Mr. A. B. Foxlee.

Mr. A. Green.

Mr. A. E. Hampton.

Dr. J. G. Madden.

Mr. M. J. Parker.

Mr. G. W. Playle.

Sqn. Ldr. J. C. Williamson, M.B.E., C.C.

**PUBLIC HEALTH STAFF.**

---

*Clerk to the Rural District Council*      L. H. Hiscott

*Medical Officer of Health*      ...      Thomas D. Blott, B.Sc., M.B.,  
B.S., D.P.H., who also acts  
in this capacity for the Borough  
of Maldon, Urban District of  
Burnham-on-Crouch and the  
Rural District of Chelmsford.

*Surveyor and Water Engineer* ...      I. M. Nicholson, M.I.Mun.E.,  
A.M.I.S.E.

*Senior Public Health Inspector*      G. L. Turner, M.R.S.H., Quali-  
fied Inspector of Meat and  
other Foods.

*Additional Public Health  
Inspector* ...      L. F. Newnham, M.R.S.H.,  
Qualified Inspector of Meat  
and other Foods.

*Housing Assistant*      ...      V. A. Arnold.

*Clerk to Public Health Inspectors*      Mrs. J. Goodrich.

*Clerk to Medical Officer of Health*      Mrs. E. M. Rezelman.  
(Part-time).

COUNCIL OFFICES,  
WANTZ ROAD,  
MALDON,  
ESSEX.

Junc, 1961.

To the Chairman and Members of the  
**Maldon Rural District Council**

Mr. CHAIRMAN, LADIES AND GENTLEMEN,

I present for your consideration my Annual Report for 1960.

During the year 111 notifications of Infectious Diseases were received as compared with 467 in 1959, the decrease being due to the fall in measles notifications. There were no cases of poliomyelitis during this period, and we must hope that if there is a satisfactory response to the County Council's immunization offers that we have seen the last of this disease.

During the year the Nuclear Power Station at Bradwell has been nearing completion, and your officers have attended meetings of the Local Liaison Committee, which includes representatives of neighbouring authorities and officials of the Central Electricity Generating Board. Most of the misunderstandings that have arisen in connection with the safety of this great enterprise are due to the lack of understanding of the problems involved. These problems are complicated and difficult for members of the general public to understand, for this reason meetings of the Local Liaison Committee have been most helpful, but I think their value would have been enhanced by fuller reports of their proceedings being made to the press.

Rumour of restrictions on development in the neighbourhood of Bradwell have given rise to some disquiet; I do not think such disquiet is justifiable. Every preeaution known has been taken to make the Power Station eompletely safe, and there would appear to be no reason for limiting normal development in the Bradwell area. The remote possibility of an aeeident ean never be completely removed, the law itself reeognises sueh oeeurrenees as aets of God. What has been done at Bradwell is to ensure the maximum safety humanly possible, and these precautions have been taken a great deal further at Bradwell than in any other industry in the country. Personally I would be quite happy to live next door to the Power Station.

I wish to express my thanks to the members and offieers of the Couneil who have freely given me their help and advice throughout the year.

I have the honour to be, Madam and Gentlemen,

Your obedient Servant,

T. D. BLOTT.

## PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

### Notifiable Diseases (other than Tuberculosis) during 1960.

One hundred and thirty-one cases of notifiable diseases (exclusive of Tuberculosis) came under observation compared with four hundred and sixty-seven for the previous year.

Notifiable Disease	Total Cases	Age Groups										Cases admitted to Hospital
		Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	
Scarlet Fever ... ...	29	1	1	1	1	3	17	5	2	—	—	—
Whooping Cough ..	20	—	—	5	3	1	10	1	—	—	—	—
Measles ... ...	3	—	—	1	—	—	2	—	—	—	—	1
Pneumonia ... ...	25	1	1	—	—	1	3	2	2	2	1	4
Food Poisoning ... ...	3	—	—	—	1	—	—	—	—	—	1	1
Acute Poliomyelitis ...	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas ... ...	4	—	—	—	—	—	—	—	—	—	3	1
Acute Infective Hepatitis	4	—	—	—	—	—	1	1	—	1	1	—
Dysentery ... ...	43	1	3	3	2	3	11	3	—	5	5	2
<b>Totals ...</b>	<b>131</b>	<b>2</b>	<b>4</b>	<b>10</b>	<b>7</b>	<b>8</b>	<b>44</b>	<b>12</b>	<b>4</b>	<b>8</b>	<b>10</b>	<b>11</b>

The above table shows the distribution of infectious diseases by age throughout the population of the district.

## Tuberculosis.

### New Cases and Mortality during 1960.

Particulars are given in the following table of new cases of Tuberculosis and of deaths from the disease in the area during 1960.

Age Groups	* New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1	...	...	—	—	—	—	—	—
1—5	...	...	—	—	—	—	—	—
5—10	...	...	—	—	—	—	—	—
10—15	...	...	—	—	—	—	—	—
15—20	...	...	—	—	—	—	—	—
20—25	...	...	—	—	—	—	—	—
25—35	...	...	—	—	—	—	—	—
35—45	...	...	—	1	—	—	1	—
45—55	...	...	—	—	—	—	—	—
55—65	...	...	—	—	—	—	—	—
65 and over	...	—	—	—	—	—	—	—
<b>TOTALS</b>	...	—	1	—	—	—	1	—

\* Not including cases of Tuberculosis removed into the district during the year which had been previously notified elsewhere.

**Table showing local distribution of infectious diseases notified during 1960.**

## GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

---

Hospital treatment for patients in the area is the responsibility of the Regional Hospital Boards.

The Children's Department of the Essex County Council is responsible for the welfare of children and young persons in the area.

### AMBULANCE FACILITIES

These are provided by the Essex County Council and the Ambulance Station for the area is in Spital Road, Maldon.

**CLINICS AND TREATMENT CENTRES** (provided by the County Council).

#### *Tuberculosis Dispensary :*

St. Peter's Hospital, Maldon ; each Friday, 2—5 p.m.

#### *Maternity and Child Welfare Centres :*

Mayland	Henry Samuel Hall	4th Thursday in each month 2.30 p.m.	Doctor once each quarter
Bradwell-on-Sea	Village Hall	1st Wednesday in each month 2 p.m.	Doctor in attendance
Southminster	Baptist Chapel School Room	4th Monday in each month 2.30 p.m.	Doctor in attendance
Tollesbury	Institute	1st and 3rd Tuesdays in each month 2 p.m.	Doctor attends 3rd Tuesday
Wickham Bishops	Church Room	2nd Wednesday in each month 2.30 p.m.	Doctor in attendance
Althorne	Village Hall	3rd Wednesday 2 p.m.	Doctor in attendance once a quarter
Great Totham	Village Hall	4th Wednesday 2 p.m.	Doctor attends all sessions

*Maternity and Child Welfare Centres—contd.*

Cold Norton	Village Hall	4th Tuesday in each month 1.45 p.m.	Doctor in attendance
Tillingham	Village Hall	2nd Thursday in each month 2.30 p.m.	Doctor in attendance
Mundon	Victory Hall	1st Thursday in each month 2 p.m.	Doctor attends alternate months
Heybridge	Waring Hall	2nd and 4th Tuesdays in each month 2.30 p.m.	Doctor attends 2nd Tuesday
Maldon	Health Centre	Every Friday 2 p.m.	Doctor attends 1st, 3rd, and 5th Fridays
*Woodham Walter	Women's Institute Club Room	Last Thursday in each month 2 p.m.	Doctor in attendance on 5th Thurs.
<p>*This Clinic has the Medical Officer in attendance only when there are 5 Thursdays in the month and the Clinic is held on that Thursday instead of 3rd Thursday.</p>			
Goldhanger	Village Hall	3rd Thursday in each month 2 p.m.	Doctor in attendance
Tolleshunt D'Arcy	Village Hall	1st Thursday in each month 2.30 p.m.	Doctor in attendance
Woodham Mortimer	Village Hall	2nd Thursday in each month 2—4 p.m.	No doctor in attendance
Latchingdon	Village Hall	4th Wednesday in each month	Doctor attends all sessions

*Ante-Natal Clinics*

Health Centre,            3rd and 5th Monday in  
Wantz Chase, Maldon each month 10 a.m.            Doctor in attendance

*Women's Welfare Clinic :*

Health Centre,            3rd and 5th Monday  
Wantz Chase, Maldon 10 a.m.            Doctor in attendance

*School Clinics :*

Orthopaedic After Treatment Centre	St. Peters Hospital Maldon	By appointment
School Clinic	Health Centre, Wantz Chase, Maldon	1st, 3rd & 5th Fridays 9.30 a.m.—12 noon. Doctor in attendance
Eye Clinic	St. Peter's Hospital, Maldon	By appointment
Speech Therapy	Health Centre Wantz Chase, Maldon	Tuesdays, p.m. Thursdays, a.m. and p.m.

Dental Clinics are also held at the Maldon Health Centre and other places in the district as and when required.

For operative treatment for the removal of Adenoids and enlarged Tonsils arrangements have been made by the Essex County Education Committee at the following hospitals :—

Chelmsford and Essex, Chelmsford ; St. John's, Chelmsford and Essex County, Colchester.

*Family Planning Clinic :*

Coval Lane Clinic            Chelmsford            Tuesday evenings,  
6.30 p.m.-8 p.m.

*Treatment Centres for Venereal Diseases :*

These are situated at Chelmsford and Colchester Hospitals Oldchurch County Hospital, Romford, and a number of London General Hospitals.

### PROFESSIONAL NURSING IN THE HOME.

(a) General Nursing—this is under the supervision of the County Council.

(b) Infectious Diseases. No arrangements have been made by the District Council.

**HOME HELPS.** Application should be made to the Area Medical Officer of Health at 75, Springfield Road, Chelmsford. (Tel. No. Chelmsford 4891).

**LABORATORIES.** Public Health Laboratory Service, Chelmsford & Essex Hospital, London Road, Chelmsford.

During the year no action was taken under Section 47 of the National Assistance Act, 1948, which deals with the removal to suitable premises of persons in need of care and attention.

Section 50 of the National Assistance Act, 1948, made the district council responsible for the burial or cremation of the body of any person who had died or been found dead in their area, where no suitable arrangements for the disposal of the body have been or are being made otherwise than by the authority.

No action was taken under the Act during 1960 and since the passing of the Act 12 burials have been carried out.

## PUBLIC CLEANSING

### Household Refuse

A weekly refuse collection is carried out by contractors in the Parishes of Southminster and Tollesbury and throughout the remainder of the District a fortnightly collection is undertaken.

The more outlying properties have a monthly tins and bottles collection by direct labour.

### Collection of Pails

A weekly pail closet collection from all Parishes in the area is carried out by private contractors.

### Emptying of Cesspools

The Council have under consideration a scheme for the emptying of cesspools throughout the District to commence April, 1961.

### Prevention of Damage by Pests Act, 1949.

The Council operates a rat destruction scheme and employs a full time rat catcher.

Work is carried out on farms, domestic premises and Local Authority undertakings including tips, sewage works and sewers throughout the whole of the Rural District.

During the year 878 visits were made by the rat catcher on treatment work. In addition to the treatment work, inspections are regularly carried out throughout the area.

## SANITARY INSPECTION OF THE AREA.

The following table, prepared by the Sanitary Inspector is a classified statement of the number of premises visited, the defects or nuisances discovered, and the action and result of action taken in regard to these.

## SANITARY INSPECTION OF THE AREA.

INSPECTIONS		NOTICES		
Nature	Number	Informal	Formal	Total complied with
Dwelling Houses :				
Under Housing Regs.	320	—	—	—
Primary Inspections Re :				
Structural Defects	128	7	—	13
Nuisances	38	17	—	15
Overcrowding	46	—	—	—
Dirty conditions	—	—	—	—
Re Inspections :				
Under Housing Regs.	134	—	—	—
Re Structural defects	432	—	—	—
Nuisances	71	—	—	—
Overcrowding	20	—	—	—
Dirty Conditions	9	—	—	—
Verminous Premises :				
Rats and Mice	29	—	—	—
Other Pests	16	7	—	7
Infectious Diseases				
Inquiries	6	—	—	—
Disinfections	—	—	—	—
Sewage and Drainage :				
House Drainage Inspections	837	9	—	16
Tests	85	—	—	—
Other Forms     Inspections	120	1	—	2
Tests	2	—	—	—
Inspections re cesspools	199	8	—	6
Inspections re sewerage	86	—	—	—
Sanitary Conveniences :				
Dwelling Houses	748	3	3	28
Other Premises	61	1	—	2
Water Supply :				
Samples taken	17	—	—	—
Other visits	722	2	—	8
Milk and Dairies Inspections :				
Cowsheds	1	—	—	—
Dairies	6	—	—	—
Milk samples taken	1	—	—	—
Inspections Re :				
Licensed Premises	23	—	—	1
Offices	—	—	—	—
Bakehouses	11	—	—	—
Slaughterhouses	499	—	—	—
Butchers' Shops	40	—	—	—
Food Shops	45	—	—	—
Other Shops	15	—	—	—
Ice Cream, Man. Premises	30	—	—	—
Ice Cream, Dealers' Premises	26	—	—	—
Man. Food Premises	31	—	—	—
Restaurants	40	—	—	—
Factories with Mech. Power	17	—	—	—
Factories without Mech. Power	1	—	—	—
Workplaces	—	—	—	—
Outworkers Premises	—	—	—	—
Places of Entertainment	17	—	—	—
Knackers' Yards	19	—	—	—
Refuse and Salvage	225	6	—	48
Schools	9	—	—	—
Rivers, Ditches and streams	57	8	—	3
Swimming Pools	10	—	—	—
Movable Dwelling	67	—	—	—
Fried Fish Shops	7	—	—	—
Stables and Piggeries	8	—	—	—
Houseboats	2	—	—	—
Miscellaneous Inspections	13	—	—	—
<b>TOTALS</b>	<b>5290</b>	<b>69</b>	<b>3</b>	<b>149</b>

**Smoke Abatement.** No cause for action occurred throughout the year.

**Swimming Baths and Pools.** There is a small open-air salt-water pool at Tollesbury from which samples are regularly taken during the swimming season. All the samples taken during the year gave satisfactory results.

**Knackers' Yards.** There is one in the district, situated in the parish of Purleigh.

**Houseboats.** During the year 13 licences to moor or place houseboats were granted under the Essex County Council Act, 1952, Part VII. These are situated in the parishes of Althorne, North Fambridge, Latchingdon and Tollesbury.

**Bakehouses.** There are 7 in the district, situated in the following parishes:—Goldhanger 1, Tillingham 1, Tolleshunt D'Arcy 1, Tollesbury 2, and Wickham Bishops 2.

Regular inspections are carried out. On each inspection the conditions were found satisfactory.

#### **Moveable Dwellings.**

##### THE CARAVAN SITES AND CONTROL OF DEVELOPMENT ACT, 1960.

During the period to which this report relates 126 applications for licences under the above Act were received.

**ADMINISTRATION OF THE FACTORIES ACT, 1937.**

**1.—Inspections** for the purposes of provisions as to health.  
Including inspections made by Public Health Inspectors.

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities ... ... ...	12	1	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ... ... ...	59	11	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ... ... ...	4	6	—	—
<b>TOTAL</b> ...	<b>75</b>	<b>18</b>	—	—

**2.—Cases in which Defects were found.**

Particulars	Number in which defects were found				Number of Cases in which Prosecutions were Instituted
	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector	
Want of Cleanliness (S.1)	2	2	—	—	—
Overcrowding (S.2) ...	—	—	—	—	—
Unreasonable Temperature (S.3) ...	—	—	—	—	—
Inadequate Ventilation (S.4) ...	—	—	—	—	—
Ineffective Drainage of Floors (S.6) ...	—	—	—	—	—
Sanitary Conveniences (S.7):					
Insufficient ...	—	—	—	—	—
Unsuitable or Defective ...	1	1	—	—	—
Not separate for sexes	—	—	—	—	—
Other Offences against the Act (not including offences relating to out-work) ...	—	—	—	—	—
<b>TOTAL</b> ...	<b>3</b>	<b>3</b>	—	—	—

OUTWORK (Sections 110-111)

Nature of Work	Section 110		Section 111		
	No. of out workers in August List required by Sect. 110 (1) (c) (3)	No. of cases of default in sending lists to the Council	No. of instances unwholesome premises	Notices Served	Prosecutions
Making etc.	1	—	—	—	—
Wearing apparel	1	—	—	—	—
Cleaning and washing ...	—	—	—	—	—
Total ... ...	1	—	—	—	—

**FOOD AND DRUGS ACT, 1955****INSPECTION AND SUPERVISION OF FOOD.****Milk Supply.**

There are 24 distributors of milk in the district.

**Unfit Food.**

During the year the following food-stuffs have been examined, condemned and surrendered as unfit for human consumption :—

4 x 14 oz. tins Italian plum peeled tomatoes.

12 x 4 lb. tins Unox brand Dutch pork luncheon meat.

9 x 10 lb. 5 oz. tins Italian cherries.

1 x 150 kilo cask Bulgarian strawberry pulp.

290 x 12½ kilo cases Bulgarian prunes.

5 lbs. topside beef.

36 lbs. ox cheek.

**Meat Inspection.**

There are licensed in the District two slaughterhouses. A regular inspection is made of all animals killed and the following table shows the number killed throughout the year and the amount of meat condemned as unfit for human consumption.

**Carcases and Offal Inspected and Condemned in whole  
or in part during 1960.**

	Cattle Excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed (if known)	728	520	61	1,307	1,957	—
Number inspected	728	520	61	1,307	1,957	—
<i>All diseases except Tuberculosis and Cysticerci</i>						
Whole carcases condemned	—	1	—	3	1	—
Carcases of which some part or organ was condemned	67	30	—	20	32	—
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	9.2	5.96	—	1.75	1.69	—
<i>Tuberculosis only :</i>						
Whole carcases condemned	—	—	—	—	—	—
Carcases of which some part or organ was condemned	—	—	—	—	7	—
Percentage of the number inspected affected with tuberculosis	—	—	—	—	.36	—
<i>Cysticercosis :</i>						
Carcases of which some part or organ was condemned	—	—	—	—	—	—
Carcases submitted to treatment by refrigeration	—	—	—	—	—	—
Generalised and totally condemned	—	—	—	—	—	—

## WATER SUPPLY.

A piped water supply from the mains owned by the District Council was available to 96 per cent of the population. The figures for each parish are set out in the table below.

The supply is augmented from two local works :—

Springs at Warren Bottom and Jacobs Well, Woodham Walter.

Springs at Asheldham.

The supplies from these two works are chlorinated.

Under the Southend Waterworks Act and the South Essex Waterworks Act, the District Council has certain legal rights to be supplied by these companies with a bulk supply of water.

The following table gives details of the water supplied to the District for the year ending 31st March, 1961 :—

Source of Supply	Total Gallons	Average Daily
South Essex Waterworks Co. ...	143,763,000	394,000
Southend Waterworks Co. ...	62,412,000	171,000
Lexden and Winstree R.D.C. ...	—	—
Chelmsford ... ... ...	13,000	—
<b>Total Amount Purchased ...</b>	<b>206,188,000</b>	<b>565,000</b>
<i>Own Supplies—</i>		
Asheldham ... ... ...	2,381,000	7,000
Warren Bottom, Woodham Walter	29,166,000	80,000
Jacobs Well, Woodham Walter ...	26,377,000	72,000
<b>Total ... ...</b>	<b>57,924,000</b>	<b>159,000</b>
<b>Total supplied from all Sources ...</b>	<b>264,112,000</b>	<b>724,000</b>

The total amount of water supplied for the previous year was 281,225,000 gallons. During 1960-1961 there were 818 meters in use for non-domestic purposes.

Daily consumption per head per day on an estimated population of 17,000 (this figure includes the labour camp at the Nuclear Power Station, Bradwell-on-Sea, and also the considerable increase in population on the Riverside Estates during the summer months):—

Domestic	...	25 gallons
Trade	...	18 gallons
Total	...	43 gallons
		—

### Summary of Work Carried Out by Waterworks Department

<i>Description</i>		<i>Year ending</i> 31.3.61	<i>Year ending</i> 31.3.60
New services installed	...	132	135
New meters installed	...	36	36
Meters changed on existing supplies	...	30	46
Meters removed from existing supplies	...	1	4
Services repaired	...	125	179
Services disconnected	...	—	1
Mains repaired	...	53	123
New Valves and Hydrants fixed	...	6 V 9 H	7 V 2 H
Valves and Hydrants repaired		30 H 26 V	17 H 18 V
New mains laid (Asbestos Cement)	2,299 yds.		550 yds.
Mains renewed (Asbestos Cement)	165 yds.		205 yds.
(Polythene)	400 yds.		
Total mileage of Water Mains of all sizes at 31.3.61,		176 $\frac{3}{4}$ miles.	

**RECORD OF HABITABLE HOUSES AND WATER  
SUPPLY AS AT 31st DECEMBER, 1960.**

PARISH	Habitable Houses (not including Huts or Vans)	No. of Houses on Domestic Water Supply	Within 100 yds. of water main but not supplied	Where piped water supply is not available
Althorne ...	163	163	—	—
Asheldam ...	52	50	—	2
Bradwell-on-Sea ...	253	244	4	5
Braxted, Great ...	122	88	7	27
Braxted, Little ...	43	41	2	—
Cold Norton ...	150	150	—	—
Dengie ...	51	45	—	6
Fambridge, North ...	105	104	—	1
Goldhanger ...	176	170	2	4
Hazeleigh ...	38	38	—	—
Langford ...	58	44	1	13
Latchingdon ...	288	288	—	—
Mayland ...	173	168	5	—
Mundon ...	98	98	—	—
Purleigh ...	323	321	—	2
St. Lawrence ...	133	133	—	—
Southminster ...	599	580	1	18
Steeple ...	141	138	1	2
Stow Maries ...	62	62	—	—
Tillingham ...	292	268	15	9
Tollesbury ...	574	567	4	3
Tolls. D'Arcy ...	291	271	9	11
Tolls. Knights ...	144	144	—	—
Tolls. Major ...	126	117	3	6
Totham, Great ...	436	423	4	9
Totham, Little ...	91	79	4	8
Ulting ...	45	29	—	16
Wickham Bishops ...	302	257	6	39
Woodham Mortimer ...	138	134	3	1
Woodham Walter ...	176	143	12	21
<b>TOTALS ...</b>	<b>5632</b>	<b>5346</b>	<b>83</b>	<b>203</b>

**Number of properties served by communal standpipes.**

Parish	No. of Standpipes	Properties served
T. Major, Pennysbrook ...	1	7

**Number of Properties in District receiving water supply  
other than from Maldon Rural District Council.**

Langford and Ulting	...	16	Supplied direct by Southend Waterworks
Cold Norton ...	...	5	Supplied direct by Southend Waterworks
Ulting ...	...	3	Supplied by Braintree R.D.C.
Woodham Mortimer	...	4	Supplied by Maldon Borough Council
Goldhanger ...	...	1	Supplied by Maldon Borough Council
Little Totham	...	5	Supplied by Maldon Borough Council

**Number of Properties outside Maldon Rural District  
supplied by Maldon Rural District Council.**

Witham	...	...	...	9
Maldon	...	...	...	5

**Sample of Water from Woodham Walter Pumping Station**

					<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	Clear and Bright
Turbidity	...	...	...	...	Nil
Colour	...	...	...	...	Nil
Odour	...	...	...	...	Nil
pH	...	...	...	...	6.6
Free Carbon Dioxide	...	...	...	...	24
Electric Conductivity	...	...	...	...	415
Dissolved Solids Dried at 180° C	...	...	...	...	300
Chlorine present as Chloride	...	...	...	...	38
Alkalinity as Calcium Carbonate	...	...	...	...	45

	<i>Chemical Results in Parts per Million</i>			
Hardness : Total ...	...	...	...	170
Carbonate	...	...	...	45
Non-carbonate	...	...	...	125
Nitrate Nitrogen	...	...	...	14
Nitrite Nitrogen	...	...	...	Absent
Ammoniacal Nitrogen	...	...	...	0.000
Oxygen absorbed	...	...	...	0.00
Albuminoid Nitrogen	...	...	...	0.000
Residual Chlorine	...	...	...	0.17
Metals	...	...	...	Absent

### *Bacteriological Results*

Number of Colonies developing on Agar

1 day at 37°C.	1 per ml.
2 days at 37°C.	1 per ml.
3 days at 20°C.	0 per ml.

Presumptive Coli-aerogenes Reaction :

Absent 100 ml.

Bact. coli (Type 1)

Absent 100 ml.

### **Report**

This sample is clear and bright in appearance and free from iron and other metals. The water is on the acid side of neutrality and a corrosive tendency would be expected. The water is moderately hard in character and it contains no excess of mineral constituents. It is of a high standard of organic and bacterial purity.

Apart from the criticism attaching to the low pH value these results are indicative of a pure and wholesome water suitable for public supply purposes.

# SOUTH ESSEX WATERWORKS COMPANY

## ANALYSES OF PURIFIED WATER

AT LANGHAM AND LAYER-DE-LA-HAYE.

(CHEMICAL RESULTS IN PARTS PER MILLION)

		Langham Works (Average of Weekly Analyses)	Layer-de-la-Haye Works (Average of Weekly Analyses)
Total Dissolved Solids	...	<b>518</b>	<b>425</b>
pH Value	... ...	7.78	7.80
Residual Chlorine, Cl.	...	0.25	0.28
Chlorides, Cl.	... ...	55	47
Nitrate Nitrogen	... ...	4.10	2.93
Nitrite Nitrogen	... ...	0.001	Nil
Hardness, non-carbonate	...	141	159
,,    carbonate	...	226	127
,,    total	...	367	286
Free Ammonia ( $\text{NH}_3$ )	...	0.18	0.14
Albuminoid Nitrogen	...	0.10	0.13
Oxygen Absorbed (4 hrs./27°C)...	...	1.26	1.38
Iron (Fe)	... ...	0.02	0.01

### Bacteriological Examinations

No. of Tests during year	...	317	312
% of samples which were free from Baet. Coli (Type I) in 100 ml.	... ... ...	100.0	100.0
% of samples which were free from Coliform bacteria in 100 ml.	... ... ...	99.6	100.0
Maximum count of Coliform bacteria per 100 ml.	...	1	—

**Sample of Water from the Mains of the Southend Water-works Company.**

					<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	Bright with particles.
Turbidity	...	...	...	...	Less than 3
Colour	...	...	...	...	13
Odour	...	...	...	...	Nil
pH	...	...	...	...	9.6
Free Carbon Dioxide	...	...	...	...	Absent
Electric Conductivity	...	...	...	...	540
Dissolved Solids dried at 180°C.	...	...	...	...	360
Chlorine present as Chloride	...	...	...	...	54
Alkalinity as Calcium Carbonate	...	...	...	...	35
Hardness : Total	...	...	...	...	140
Carbonate	...	...	...	...	35
Non-carbonate	...	...	...	...	105
Nitrate Nitrogen	...	...	...	...	4.6
Nitrite Nitrogen	...	...	...	...	Less than 0.01
Ammoniacal Nitrogen	...	...	...	...	0.099
Oxygen Absorbed	...	...	...	...	1.2
Albuminoid Nitrogen	...	...	...	...	0.12
Residual Chlorine	...	...	...	...	0.40 at sampling
Metals : Aluminium	...	...	...	...	0.07
Iron, Zinc, Copper and Lead	...	...	...	...	Absent
Manganese	...	...	...	...	Absent.

*Bacteriological Results*

Number of Colonies developing on Agar :

- 1 day at 37°C. 1 per ml.
- 2 days at 37°C. 1 per ml.
- 3 days at 20°C. 2 per ml.

Presumptive Coliform Reaction ... ... Absent 100 ml.

Bact. coli. (Type I) ... ... ... Absent 100 ml.

Cl. Welchii Reaction ... ... ... Absent 100 ml.

## Report

This sample is practically clear and bright in appearance and is free from metals apart from a very minute trace of aluminium. The water is alkaline in reaction but not to an extent which is unduly marked, assuming that it is not a regular feature of the supply. The hardness of the water is very moderate and it contains no excess of minerals or saline constituents in solution. The organic quality of the water is very satisfactory and the bacteriological results show a high standard.

These results are indicative of a pure and wholesome water suitable for public supply purposes.

### Sample of Water from Asheldham Pumping Station

#### *Chemical Results in Parts per Million*

Apearance	...	...	...	...	...	Bright with a few particles.
Turbidity	...	...	...	...	...	Less than 3
Colour	...	...	...	...	...	Nil
Odour	...	...	...	...	...	Nil
pH	...	...	...	...	...	5·9
Free Carbon Dioxide	...	...	...	...	...	25
Electric Conductivity	...	...	...	...	...	490
Dissolved Solids dried at 180°C.	...	...	...	...	...	350
Chlorine present as Chloride	...	...	...	...	...	36
Alkalinity as Calcium Carbonate					...	10
Hardness : Total	...	...	...	...	...	180
	Carbonate	...	...	...	...	10
	Non-carbonate	...	...	...	...	170
Nitrate Nitrogen	...	...	...	...	...	24
Nitrite Nitrogen	...	...	...	...	...	Absent
Ammoniacal Nitrogen	...	...	...	...	...	0·000
Oxygen Absorbed	...	...	...	...	...	0·10
Albuminoid Nitrogen	...	...	...	...	...	0·000
Residual Chlorine	...	...	...	...	...	Absent
Metals : Zinc, Copper, Lead and Iron				...	...	Absent
Fluorine	...	...	...	...	...	Less than 0·1

### *Bacteriological Results*

#### Number of Colonies developing on Agar

1 day at 37°C.	14 per ml.
2 days at 37°C.	27 per ml.
3 days at 20°C.	- per ml.

Presumptive Coli-aerogenes Reaction : Absent 100 ml.

Bact. coli (Type 1) Absent 100 ml.

Cl. Welchii Reaction : Absent 100 ml.

### **Report**

This sample is practically clear and bright in appearance and is free from metals. It has however a faintly acid reaction due to its content of free carbon dioxide with low carbonate alkalinity. The hardness of the water is moderate and it contains no excess of mineral or saline constituents in solution. Its organic quality and bacterial purity are of a high standard.

These results are indicative of a wholesome water. To reduce corrosive characteristics, it is very desirable that the water should be subjected to suitable treatment, or mixed with another supply. Admixture with another supply is also considered desirable to reduce its content of nitrate which at present is somewhat high for use in the preparation of infant feeds.

## **DRAINAGE AND SEWERAGE**

### **Goldhanger**

Work has been completed on this scheme and most of the houses are connected to the sewers.

### **Wickham Bishops and Great Totham**

A scheme for the above two villages has been prepared and submitted to the Ministry and an enquiry is to be held into the scheme early next year.

### **Tillingham**

Plans have been prepared for the sewerage of this village and of new disposal works and these have been submitted to the River Board and the County Council for their consideration.

**Bradwell-on-Sea**

A scheme has been prepared for the sewerage of Bradwell-on-Sea and for new sewage disposal works. The recommendations of the County Council and the River Board have been received and the scheme is ready for submission to the Ministry when the District Valuer's report on the various plots of land to be purchased for the pumping station and sewage works has been received.

**PUBLIC HEALTH ACT, 1936—SECTION 47.****Conversion of Pail Closets to Water Closets.****Southminster, Tollesbury, Tolleshunt D'Arcy and  
Goldhanger.**

During the period covered by this report, conversions of pail closets to water closets were carried out at 25 properties, and the Council under the above Section paid 50% towards the cost of conversions at 21 properties.

## HOUSING

### Statistics for the Year, 1960.

Number of new houses erected during the year :—

Total ...	... ...	... ...	... ...	... ...	73
(i) By the Local Authority	...	...	...	...	13
(ii) By other bodies and persons	...	...	...	...	60

The following table classifies the houses erected and owned by the District Council into Parlour and Non-Parlour types.

PARISH	Parlour Type	Non-Parlour Type	Totals
Althorne ...	—	—	—
Asheldham ...	5	2	7
Bradwell-on-Sea ...	12	6	18
Braxted, Great ...	12	6	18
Braxted, Little ...	—	4	4
Cold Norton ...	—	10	10
Dengie ...	—	8	8
Fambridge, North ...	—	—	—
Goldhanger ...	8	58	66
Hazeleigh ...	—	6	6
Langford ...	—	—	—
Latchingdon ...	32	48	80
Mayland ...	—	12	12
Mundon ...	10	12	22
Purleigh ...	8	37	45
St. Lawrence ...	—	—	—
Southminster ...	67	43	110
Steeple ...	10	12	22
Stow Maries ...	6	12	18
Tillingham ...	30	26	56
Tollesbury ...	48	20	68
Tolleshunt D'Arcy ...	46	16	62
Tolleshunt Knights ...	—	10	10
Tolleshunt Major ...	6	11	17
Totham, Great ...	61	33	94
Totham, Little ...	4	7	11
Ulting ...	—	—	—
Wickham Bishops ...	31	26	57
Woodham Mortimer ...	12	6	18
Woodham Walter ...	14	12	26
<b>TOTALS ...</b>	<b>422</b>	<b>443</b>	<b>865</b>

The total includes six Coastguard cottages (parlour) re-erected on a new site in Bradwell-on-Sea and buildings at Asheldham and Southminster converted into six dwellings, nine cottages (non-parlour) purchased by the Council at Wickham Bishops, and eighteen agricultural cottages (parlour) at Asheldham (4), Southminster (4), Steeple (6), Tolleshunt D'Arcy (4), 26 houses at Tillingham, 20 houses at Latchingdon and 13 houses at Southminster, (built for and occupied by employees of The Central Electricity Generating Board employed at Bradwell Generating Station).

### **Housing Act, 1957, Section 17.**

During the year 23 Demolition Orders and 2 Closing Orders were made, and 4 Undertakings given that houses would not be used for human habitation until they had been made fit for that purpose.

Sixteen properties were demolished, 14 of these being the subject of Demolition Orders.

### **Housing (Financial Provisions) Act, 1958**

**as amended by**

### **House Purchase and Housing Act, 1959.**

#### **Improvement Grants**

Properties reconditioned and modernised by the provision of amenities such as bathrooms, hot and cold water supplies, drainage work, etc.:

	<i>No. of Applications received</i>	<i>No. of Applications approved</i>	<i>No. of Properties modernised</i>
Discretionary Grants	...	49	43
Standard Grants	...	27	17

Table showing Census Population 1951 and 1931, and  
Number of Houses Census 1951 and December, 1960.

PARISH	Area in statute acres (land and inland water)	Tidal water and fore- shore	Num- ber of Houses 1951	Census Population		Number of Houses at end of Dec. 1960 excl. of hutments
				1951	1931	
Althorne ...	2080	255	150	451	390	163
Asheldham ...	1310	—	51	170	168	52
Bradwell-on-Sea ...	5221	4230	217	680	657	253
Braxted Great ...	2634	—	115	363	282	122
Braxted Little ...	622	—	45	162	116	43
Cold Norton ...	1692	—	129	401	384	150
Dengie ...	2856	1186	45	165	192	51
Fambridge North...	1242	107	86	278	168	105
Goldhanger ...	1622	—	157	462	353	176
Hazeleigh ...	991	—	34	114	114	38
Langford ...	991	3	44	153	169	58
Latchingdon ...	3992	207	188	595	419	288
Mayland ...	1870	—	141	426	360	173
Mundon ...	3312	—	91	324	251	98
Purleigh ...	5535	87	279	886	770	323
St. Lawrence ...	2139	324	50	151	71	133
Southminster ...	6512	828	472	1444	1403	599
Steeple ...	2709	47	106	330	343	141
Stow Maries ...	1610	82	56	182	165	62
Tillingham ...	4928	2593	241	683	670	292
Tollesbury ...	4839	2019	539	1594	1694	574
Tolleshunt D'Arcy...	4104	415	248	758	748	291
Tolleshunt Knights	1926	—	133	405	252	144
Tolleshunt Major ...	2253	2	126	403	370	126
Totham Great ...	3589	—	395	1221	982	436
Totham Little ...	1281	—	86	292	293	91
Ulting ...	1034	—	44	132	143	45
Wickham Bishops...	1606	—	275	866	639	302
Woodham Mortimer	1387	—	105	341	268	138
Woodham Walter ...	2620	—	173	531	514	176
<b>TOTALS ...</b>	<b>78507</b>	<b>12385</b>	<b>4821</b>	<b>14963</b>	<b>13348</b>	<b>5643</b>

## STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (acres) ... ... ...	78,507 (land and inland water)
Home Population (estimated June, 1960) ... ...	15,970
Census Population, 1951 ...	14,963 (Males 7,331, Females 7,632)
Census Population, 1931 ... ... ...	13,348
Number of inhabited houses 1951 census ... ...	4,821
Estimated number of houses at end of 1960 ... ...	5,632
Rateable Value at 1st April, 1960 ... ...	£155,818
Product of a Penny Rate for the year ending :—	
31st March, 1960 ... ... ...	£631 17 2
31st March, 1961 ... ... ...	£635 0 0
Persons per household at Census 1951 ... ...	3.08
Persons per household at Census 1931 ... ...	3.39
Live Births : Number ... ... ...	264
Live Birth Rate per 1,000 population ... ...	16.53
Illegitimate live births per cent of total live births ...	5.33
Still Births : Number ... ... ...	5
Still Birth Rate per 1,000 live and still births ...	18.59
Total live and still births ... ... ...	269
Infant Deaths—(Deaths under 1 year) ... ...	7
Infant Mortality Rates	
Total infant deaths per 1,000 total live births ...	26.51
Legitimate infant deaths per 1,000 legitimate live births ... ... ...	24
Illegitimate infant deaths per 1,000 illegitimate live births ... ... ...	71.43
Neo-Natal Mortality Rate (deaths under 4 weeks per 1,000 total live births) ... ... ...	22.73
Early Neo-Natal Mortality Rate (deaths under 1 week per 1,000 total live births) ... ... ...	22.73

Perinatal Mortality Rate (stillbirths and deaths under 1 week combined per 1,000 total live and still births)	...	...	...	...	...	65.09
Maternal deaths (including abortion)	...	...	...	...	...	Nil
Maternal mortality rate per 1,000 live and still births	...	...	...	...	...	Nil
Deaths :—	Male 112	Female 104	Total 216	Crude death rate per 1,000 of estimated resident population		13.52
Registrar General's Comparability Factor of Births	...	...	...	Deaths	1.14	0.81
Corrected Death Rate	...	...	...	...	...	10.95
Death Rate for England and Wales	...	...	...	...	...	11.5
Number of deaths under one year of age	...	...	...	...	...	7
Number of deaths under 4 weeks of age	...	...	...	...	...	6

The following tabular statements give details of the number of deaths classified according to age and cause:—

Age	Number of deaths							
	Occurring in district		Of non-residents occurring in district		Of residents occurring outside district		Allotted to district	
	M	F	M	F	M	F	M	F
Under 1 year	..	—	—	—	4	3	4	3
1 and under	2	..	—	—	1	—	1	—
2 „ „ 5	5	..	—	—	1	—	1	—
5 „ „ 15	15	...	—	—	—	—	—	—
15 „ „ 25	25	...	1	—	1	1	2	1
25 „ „ 35	35	..	—	—	2	—	2	—
35 „ „ 45	45	..	—	—	—	—	—	—
45 „ „ 55	55	...	2	3	—	—	6	6
55 „ „ 65	65	...	8	4	1	—	10	11
65 „ „ 75	75	...	16	10	—	1	32	23
75 and over	...	...	32	41	2	3	25	24
TOTALS	...	...	59	58	3	4	57	52
GRAND TOTALS	...	117		7		109		219

Causes of Death	Males	Females	Totals
Tuberculosis, respiratory.	1	—	1
Tuberculosis, other	—	—	—
Syphilitic disease...	—	—	—
Diphtheria	—	—	—
Whooping Cough...	—	—	—
Meningococcal Infections	—	—	—
Acute Poliomyelitis	—	—	—
Measles	—	—	—
Other Infective and Parasitic Diseases	—	—	—
Malignant Neoplasm, Stomach	3	3	6
Malignant Neoplasm, Lung, Bronchus	5	—	5
Malignant Neoplasm, Breast	—	1	1
Malignant Neoplasm, Uterus	—	2	2
Other Malignant and Lymphatic Neoplasms	8	11	19
Leukaemia, Aleukaemia...	—	—	—
Diabetes	2	—	2
Vascular Lesions of Nervous System	12	26	38
Coronary Disease, Angina	20	13	33
Hypertension with Heart Disease	1	1	2
Other Heart Disease	20	22	42
Other Circulatory Disease	8	1	9
Influenza	—	—	—
Pneumonia	6	5	11
Bronchitis...	10	4	14
Other Diseases of Respiratory System	1	—	1
Ulcer of Stomach and Duodenum	1	—	1
Gastritis, Enteritis and Diarrhoea	—	—	—
Nephritis and Nephrosis	2	—	2
Hyperplasia of Prostate	2	—	2
Pregnancy, Childbirth, Abortion	—	—	—
Congenital Malformations	3	—	3
Other defined and ill-defined diseases	6	13	19
Motor vehicle accidents	1	—	1
All other accidents	—	1	1
Suicide	—	1	1
Homicide and operations of war	—	—	—
<b>Totals</b>	<b>112</b>	<b>104</b>	<b>216</b>

**INDEX**

	PAGE(S)
Ambulance Facilities ... ... ... ... ... ...	9
Bakehouses ... ... ... ... ... ...	15
Burials ... ... ... ... ... ...	12
Clinics and Treatment Centres ... ... ...	9-11
Drainage and Sewerage ... ... ...	28
Factories Act, 1937 (Inspections under) ... ...	16-17
Food Inspection ... ... ... ...	18 19
Health Services in Area ... ... ... ...	9
Hospitals ... ... ... ... ...	11
Housing ... ... ... ... ...	29-31
Infectious Diseases ... ... ... ...	6-8
Knackers' Yards ... ... ... ...	15
Laboratory Facilities ... ... ... ...	12
Maternity and Child Welfare ... ... ...	9-11
Milk Supply ... ... ... ...	18
Moveable Dwellings ... ... ...	15
Nursing ... ... ... ...	12
Public Cleansing ... ... ...	13
Public Health Committee ... ... ...	2
Public Health Staff ... ... ...	3
Sanitary Inspection of Area ... ... ...	13-14
Swimming Baths and Pools ... ... ...	15
Statistics and Social Conditions ... ... ...	32-34
Water Supply ... ... ...	20-28